

030104

2047  
U.S. PTO  
Stop: NEW Patent Application  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
ALEXANDRIA, VA 22313-1450

Transmitted herewith for filing is the nonprovisional/Utility patent application of:

Inventor(s):	Douglas C. Hittle, Ph.D, and Amy Sarah Lee
For:	Tile Structures having Phase Change Material (PCM) Component for use in Flooring and Ceilings

17497 U.S. PTO  
10/791507

030104

This application claims benefit under 35 U.S.C. 119(e) and 37 C.F.R. §1.78 to pending Provisional Patent Application No. 60/450,838 filed on 28 February 2003 entitled: "Solid state phase change tiles for use in passive solar applications."

The invention disclosed herein was made with United States government support awarded by the Department of Energy under contract number DE-FC26-00NT40999

Enclosed please find:

- ☒ A Declaration and Power of Attorney (*Executed* - 2 pages)  
☒ 4 sheet(s) of Formal ☒ Informal drawings (FIGs. numbered 1 - 8 )  
☒ 27 pages of specification, 4 pages claims (16 claims), and 1 page ABSTRACT  
☒ A return postcard  
☐ [no] Invention Disclosure Statement and PTO Form 1449, along with copies of background refs listed <none>  
☒ An Assignment of Invention Before Patent with cover sheet (+ Fee authorization) for RECORDING <YES>  
☐ <no> ATTACHMENT A - ... (none)  
☒ The filing fee is calculated as shown below (reflecting slight fee \*\*increases as of 1-Oct-03):

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
Total Claims	16 - 20 =	0	x \$18 ( 9) =	\$0.00
Independent Claims	3 - 3 =	0	x **\$86 (43) =	\$0.00
Multiple dependent claim(s) (if applicable)			+ **\$290 (145) =	\$0.00
			** Basic Fee (Small Entity)	\$385.00
			<b>TOTAL</b>	<b>\$385.00</b>

- ☒ Applicants and Assignee, University of Colorado Research Foundation, claim SMALL ENTITY STATUS as persons 37 CFR 1.27(a)(1), and assignee as Nonprofit Organization under 37 CFR 1.27(a)(3).  
☒ The Commissioner is hereby authorized to charge the \$ 385.<sup>00</sup> filing fee along with any additional fees associated with this communication, including patent application filing fees and processing fees under 37 CFR §1.16 and 1.17, or credit any overpayment to Macheledt Bales LLP: Deposit Account No. 02-0725.

Direct all correspondence to:

Customer Number: 28304

Jean M. Macheledt  
501 Skysail Lane  
Fort Collins, CO 80525-3133  
Tel. 970.218.6798

Respectfully submitted,

Jean M. Macheledt, Attorney for Applicants  
Registration Number 33,956  
Date: Monday, 1<sup>st</sup> day of March 2004

Express Mail mailing label number: ER 391 717 180 US Date of Deposit: 01 March 2004 (Monday)

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, with sufficient postage, under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

Mail Stop: NEW Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jean M Macheledt  
Printed Name

Signature